

## **Exam Title: POWER AND ENERGY TECHNOLOGY 1**

### **Courses Assessed by this Exam: 8601310. POWER AND ENERGY TECHNOLOGY 1**

**Key Vocabulary:** Technology Setback, Technology Difficulty, Technology Regress, Technology Trade Off, Global Warming, Bio Diesel, Fuel Cells, Hybrids, Synfuels, Surplus, Analyzing, Engineering, Prototyping, Material Safety Data Sheet (MSDS), Pounds per Square Inch (psi), Solenoid, Resistor, Tolerance, Proper Orientation, Pressurized Water Reactor (PWR), Boiling Water Reactor (BWR)

#### **Student Tasks:**

- Identify management systems
- Explain how technology has impacted society and changed over time
- Understand that stage of the design process
- Understand the problem solving process
- Identify types of control system schedules
- Explain the purpose of a wind tunnel
- Describe safety features and rules within a lab/shop
- Explain spontaneous combustion
- Identify the different class of fire extinguishers
- Describe proper safety procedures incase of personal injury
- Explain how to read a circuit
- Identify the different names of circuits
- Understand the principles of a flat plate collector
- Describe waste disposal procedures